



# Morbidity and Mortality

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## EPIDEMIOLOGIC NOTES AND REPORTS AN OUTBREAK OF HEPATITIS - Chicago, Illinois

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Between Aug. 20, 1969, and Jan. 30, 1970, a total of 39 cases of infectious hepatitis occurred among 250 residents at an interdenominational, missionary cooperative community who live and work in a west Chicago, primarily Negro, area. Most of the cases (32 of 39) occurred between mid-October and mid-January (Figure 1).

In the first half of 1968, an outbreak of 24 cases of infectious hepatitis had occurred among this same missionary community. Except for the number of cases, the characteristics of the current outbreak were practically identical to the ones in 1968: generally uniform age-specific attack rates among missionary community personnel, ages 1-35 years (Table 1); attack rates twice as high among those who spent greater than 5 hours per day working or attending school in the surrounding disadvantaged area as opposed to

those who had no direct contact with it and who worked primarily within the mission; a pattern of spread in which a few index patients were identified who then transmitted the disease to family members or close friends (all the index patients had close daily contact with the disadvantaged

(Continued on page 102)

TABLE I. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES  
(Cumulative totals include revised and delayed reports through previous weeks)

DISEASE	10th WEEK ENDED		MEDIAN 1965 - 1969	CUMULATIVE, FIRST 10 WEEKS		
	March 14, 1970	March 8, 1969		1970	1969	MEDIAN 1965 - 1969
Aseptic meningitis . . . . .	28	25	25	285	293	274
Brucellosis . . . . .	2	1	4	24	17	36
Diphtheria . . . . .	5	-	2	83	22	28
Encephalitis, primary:						
Arthropod-borne & unspecified . . . . .	11	23	22	190	200	217
Encephalitis, post-infectious . . . . .	5	3	12	65	41	106
Hepatitis, serum . . . . .	133	101	901	1,219	982	8,187
Hepatitis, infectious . . . . .	1,046	993	901	10,864	8,809	8,187
Malaria . . . . .	58	25	25	661	442	387
Measles (rubella) . . . . .	1,377	557	2,788	10,362	4,297	21,673
Meningococcal infections, total . . . . .	59	77	91	664	800	808
Civilian . . . . .	59	72	77	636	749	748
Military . . . . .	-	5	10	28	51	60
Mumps . . . . .	2,889	2,442	-	25,502	22,282	-
Polioomyelitis, total . . . . .	-	-	-	1	1	2
Paralytic . . . . .	-	-	-	1	1	2
Rubella (German measles) . . . . .	1,902	1,542	-	13,047	7,638	-
Tetanus . . . . .	3	2	2	15	18	20
Tularemia . . . . .	-	1	2	12	22	23
Typhoid fever . . . . .	2	2	8	44	38	52
Typhus, tick-borne (Rky. Mt. spotted fever) . . . . .	-	-	-	-	1	6
Rabies in animals . . . . .	56	73	88	583	684	741

TABLE II. NOTIFIABLE DISEASES OF LOW FREQUENCY

	Cum.		Cum.
Anthrax: N.J.-1 . . . . .	1	Psittacosis: Calif.-1 . . . . .	6
Botulism: . . . . .	1	Rabies in Man: . . . . .	-
Leptosy: Calif.-1, Fla.-2, Tex.-2 . . . . .	19	Rubella congenital syndrome: Alaska-1, Calif.-1 . . . . .	15
Leptospirosis: . . . . .	9	Trichinosis: Ind.-1 . . . . .	12
Plague: . . . . .	-	Typhus, murine: * . . . . .	1

\*Delayed reports: Typhus, murine: La. delete 1 (1969)



ARBOVIRUS ISOLATIONS - New York 1969

In 1969, two infections with California group (CE) virus occurred in New York; both were confirmed by a four-fold titer rise. Cases occurred in a 6-year-old girl from Albany County whose symptoms of encephalitis began on August 6 and in a 33-year-old farmer from Columbia County whose only complaint, a severe headache, began on August 14. These were the only two cases of illness serologically confirmed as due to an arbovirus in New York state in 1969.

On August 28, mosquito collections were made in a swamp at Tappan Landing, Rockland County. This location is one-half mile from the area where the one previous laboratory confirmed case of CE virus infection in New York had been observed in 1966 (1). These collections resulted in isolation of a strain of CE virus from a pool of 24 *Aedes canadensis* mosquitoes. No isolations were made from 13 other pools containing 183 mosquitoes of genera *Aedes* and *Culex*.

In early fall, an outbreak of encephalitis-like illness occurred in a pheasant flock at a farm near Walden, Orange County. A strain of Eastern equine encephalomyelitis (EEE) virus was isolated from the brain of each of two sick birds collected on October 17, 9 days after pheasant deaths were first reported. The farm is within 12 miles of the location where a strain of EEE virus was isolated from a pheasant in 1952 (2).

(Reported by Rudolph Deibel, M.D., Director, Virus Laboratories, and Elinor Whitney, Arbovirus Laboratory, Division of Laboratories and Research, and James O. Culver, M.D., Director, and Thomas Bast, Ph.D., Associate Medical Entomologist, Bureau of Epidemiology, New York State Department of Health; and an EIS Officer.)

References:

- (1) National Communicable Disease Center, Encephalitis Surveillance Report, 1966 Annual Summary.
- (2) Beaudette, F.R. et al.: United States Livestock Sanitary Association, Omaha, Nebraska, 1954. Pp. 309-321.

SUMMARY OF REPORTED CASES OF INFECTIOUS SYPHILIS

CASES OF PRIMARY AND SECONDARY SYPHILIS: By Reporting Areas February 1969 and February 1970 - Provisional data

Reporting Area	February		Cumulative January-February		Reporting Area	February		Cumulative January-February	
	1970	1969	1970	1969		1970	1969	1970	1969
NEW ENGLAND.....	41	27	82	53	EAST SOUTH CENTRAL.....	45	80	89	186
Maine.....	-	-	1	1	Kentucky.....	4	12	16	39
New Hampshire.....	-	-	-	-	Tennessee.....	17	39	31	70
Vermont.....	-	-	-	-	Alabama.....	14	7	23	35
Massachusetts.....	31	14	57	32	Mississippi.....	10	22	19	42
Rhode Island.....	4	3	10	6	WEST SOUTH CENTRAL.....	324	298	510	536
Connecticut.....	6	10	14	14	Arkansas.....	22	9	37	19
MIDDLE ATLANTIC.....	411	283	844	595	Louisiana.....	61	50	97	100
Upstate New York.....	32	24	65	58	Oklahoma.....	9	2	15	12
New York City.....	309	180	630	399	Texas.....	232	237	361	405
Pa. (Excl. Phila.).....	10	20	21	30	MOUNTAIN.....	54	56	96	103
Philadelphia.....	18	24	35	30	Montana.....	-	-	1	-
New Jersey.....	42	35	93	78	Idaho.....	-	1	1	1
EAST NORTH CENTRAL.....	206	207	445	414	Wyoming.....	-	1	-	2
Ohio.....	30	30	67	65	Colorado.....	4	8	7	11
Indiana.....	35	29	74	59	New Mexico.....	14	25	26	43
Downstate Illinois.....	7	25	21	54	Arizona.....	27	17	41	40
Chicago.....	63	71	147	137	Utah.....	-	-	1	-
Michigan.....	68	51	125	98	Nevada.....	9	4	19	6
Wisconsin.....	3	1	11	1	PACIFIC.....	155	146	347	310
WEST NORTH CENTRAL.....	52	25	95	52	Washington.....	4	5	8	7
Minnesota.....	10	1	17	5	Oregon.....	3	2	5	10
Iowa.....	0	7	1	9	California.....	147	139	332	293
Missouri.....	32	15	50	29	Alaska.....	-	-	-	-
North Dakota.....	0	1	1	1	Hawaii.....	1	-	2	-
South Dakota.....	0	-	5	2	U. S. TOTAL.....	1,699	1,555	3,314	3,093
Nebraska.....	2	-	5	3	TERRITORIES.....	113	100	201	167
Kansas.....	8	1	16	3	Puerto Rico.....	111	97	198	156
SOUTH ATLANTIC.....	411	433	806	844	Virgin Islands.....	2	3	3	11
Delaware.....	6	2	9	3	Note: Cumulative Totals include revised and delayed reports through previous months.				
Maryland.....	45	39	95	85					
District of Columbia.....	34	34	72	78					
Virginia.....	14	17	39	42					
West Virginia.....	2	1	5	1					
North Carolina.....	51	44	100	85					
South Carolina.....	27	52	61	114					
Georgia.....	138	93	214	169					
Florida.....	94	151	211	267					

### INTERNATIONAL NOTES ANIMAL RABIES - England

On March 1, 1970, rabies was diagnosed in a 3-year-old mongrel bitch that had died in New Market, England, on February 27. She first became ill on February 20 and when rabies was suspected on February 25, was placed in isolation. The dog had been imported on May 30, 1969, from Pakistan, where she had received antirabies vaccine. On Nov. 30, 1969, she had been released from an approved kennel in Essex after completing the 6-month quarantine period, then in effect. No case of rabies had occurred at the quarantine station while the dog was there, and she had no known contact with any of the three imported dogs that developed rabies (1) during or after quarantine in the United Kingdom during 1969 (MMWR, Vol. 18, No. 44).

Another dog, imported and quarantined with the infected dog and owned by the same person, has been placed under detention. Investigation is underway to detect any other possible contacts.

After the recent case was confirmed, the British Ministry of Agriculture's Division of Animal Health took the following actions: (1) An independent committee of inquiry was appointed to review the policy and precautions against rabies in Great Britain and to make recommendations; (2) The period of quarantine for dogs and cats already in

Great Britain was extended from 8 to 12 months, effective March 12; and (3) an announcement was made that, as soon as possible, an order to prohibit the importation into Great Britain of all canine and feline animals (including exotic canine and feline animals for exhibition) except from Northern Ireland, the Irish Republic, the Channel Islands, and the Isle of Man would be forthcoming. The second and third measures will be reviewed by the Division when the committee of inquiry has made its report.

(Reported by the Animal Health Division, Ministry of Agriculture, Fisheries and Food, United Kingdom; and the Medical Officer, Foreign Quarantine Program, London.)

#### Editorial Comment:

Dogs from certain designated rabies-free areas are exempt from rabies vaccination as a condition of entry into the United States. This case of rabies in an imported dog does not change the status of the United Kingdom as a rabies-free area, and no additional entry requirements will be placed on dogs imported from this area.

#### Reference:

- (1) *World Health Organization Weekly Epidemiological Record*, 44(47):637, Nov. 21, 1969.

### DYSENTERY - El Salvador

During July and August 1969, a marked increase in reported cases of severe dysentery was noted in El Salvador. The initial areas affected were the Department of Chalatenango, which borders Honduras to the north and where during this time the effects of a border dispute had created a large refugee population, and the Department of Ahuachapan, which is contiguous with Guatemala to the northwest and where a known epidemic of dysentery due to *Shigella dysenteriae* type 1 was occurring (MMWR, Vol. 19, No. 7) (Figure 2). Subsequently cases of severe dysentery developed among residents of all 14 departments of El Salvador, with the general pattern of spread being from north to south along main routes of commerce. An initial peak in cases in El Salvador was observed in October, 3 months after the July peak in Guatemala; however, a greater upsurge in cases occurred in El Salvador in January 1970 (Figure 3).

Available age-specific attack rates indicated infants to be at greatest risk to disease. The attack rate among children was similar to that for adults. As in Guatemala, initial confusion as to the etiology of the epidemic led to high mortality rates when only antiamebic therapy was used. The case-fatality rate, however, diminished when adequate antibiotic and fluid therapy was used.

Strains of *S. dysenteriae* type 1 from El Salvador have shown identical antibiotic sensitivity patterns with the strains from the Guatemalan epidemic. The organisms were resistant to the commonly used sulfa drugs, tetracycline,

Figure 3  
REPORTED CLINICAL CASES OF DYSENTERY  
EL SALVADOR - 1969-1970

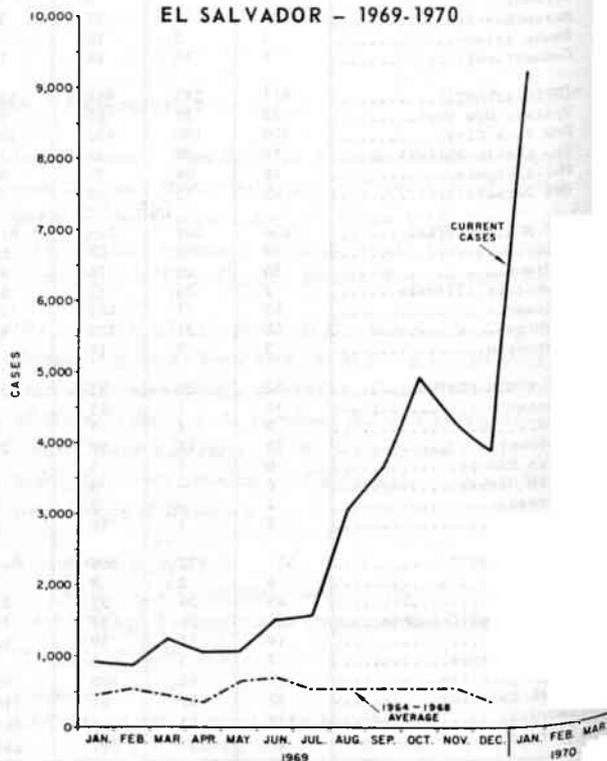
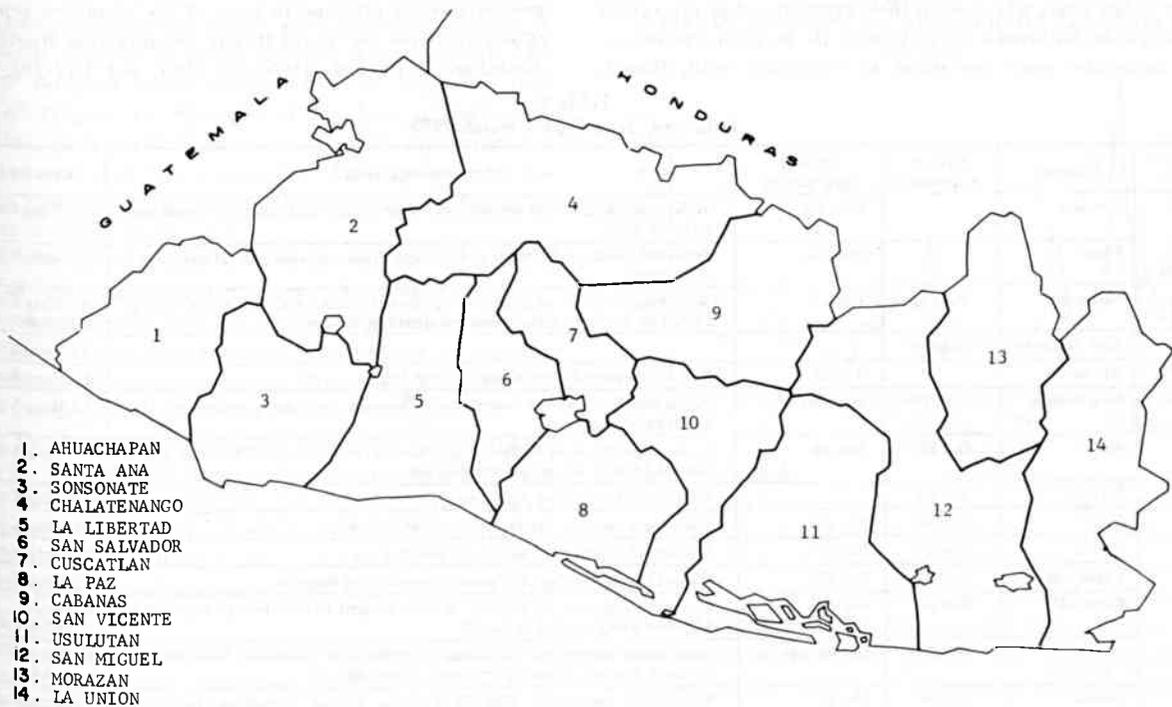


Figure 2  
EL SALVADOR



chloramphenicol, streptomycin, and novobiocin. They were sensitive to ampicillin, gentamicin, nitrofurantoin, kanamycin, colistin, cephalosporin, and naladixic acid and moderately sensitive to penicillin.

To date, the mode of transmission in El Salvador has not been identified; in Guatemala, contaminated water played a prominent role in some community outbreaks and in other areas, person-to-person spread was the predominant mode of spread. An extensive system of continued surveillance is underway in El Salvador. Daily and weekly

reports of morbidity and mortality due to dysentery are forwarded to the Ministry of Health from governmental health units which cover approximately 85 percent of the population. In addition, fecal specimens are sent to the Central Laboratory for bacteriologic identification.

(Reported by Dr. Eduardo Navarro, Chief of Epidemiology, and Dr. Roberto Masferrer, Chief, Central Laboratory, Ministry of Public Health and Social Assistance, San Salvador, El Salvador; Dr. Max Block, Chief, Central Laboratory Rosales Hospital; and an EIS Officer.)

### INFLUENZA - Worldwide 1969-70

The current epidemic of A2/Hong Kong-like influenza virus was first recognized in July 1968 in Hong Kong and then spread rapidly throughout Southeast Asia and caused a major epidemic in the United States during the fall and winter of 1968-69. Although localized outbreaks were recorded in most areas of Europe during the winter of 1968-69, the level of activity there did not approach that in the United States. Subsequently, during the winter and spring of 1969, a number of outbreaks were reported from South America, Africa, Australia, and Southeast Asia.

In the fall and winter of 1969-70, the current influenza season, the virus reappeared in Europe and Northern Asia and this time causes epidemics of major proportions. In contrast, the United States noted only modest increases above expected levels. During this period, influenza activity was also documented in the Middle East, Northern Africa, Southern Asia and the Pacific, and other North American

countries. In all, between June 1969 and March 1970, 41 countries reported outbreaks to the World Health Organization (Table 2).

The vast majority of these countries reported outbreaks in December 1969 and January 1970, with earlier reports coming primarily from the southern hemisphere. Of the 41 countries, 32 had experience with A2/Hong Kong/68-like virus; five others had primarily A2/Hong Kong activity with some influenza B involvement. In Argentina, there appeared to be two distinct waves of influenza, the first caused by A2/Hong Kong/68-like influenza virus and the second by B/Massachusetts/66 influenza virus. Israel reported an initial outbreak due to influenza B followed by a more widespread outbreak of A2/Hong Kong-like virus. Two countries, Romania and Bulgaria, reported the primary agent to be influenza B, and both of them reported isolated

(Continued on page 106)

## INFLUENZA - (Continued from page 105)

cases and outbreaks of A2/Hong Kong-like influenza virus later in the year, which were less extensive than the initial countrywide outbreaks of influenza B. In most countries, the outbreaks were described as clinically mild, though

respiratory mortality was generally elevated. All age groups seemed affected in most of the countries reporting. (Compiled from the World Health Organization Weekly Epidemiological Record, 44(46-52), 1969, and 45(1-10), 1970.)

Table 2  
Influenza, June 1969 - March 1970

Region	Country	Date of Appearance	Date of Peak Activity	Epidemiologic Data	Virus Isolated
South America	Uruguay		June 69	Widespread with school absenteeism of up to 50% and industrial absenteeism of up to 20%.	A2/Hong Kong/68
	Chile		June 69	Primarily involved Santiago and Central Provinces; epidemic proportions in these areas.	A2/Hong Kong/68
	Argentina	June 69	July 69	Widespread activity; epidemic lasted about 18 weeks with two waves: the first caused by A2/Hong Kong virus; the second by B virus.	A2/Hong Kong/68 B/Mass/66
Austral-Asia	New Zealand	June 69			A2/Hong Kong/68
	Australia		Aug 69	Primarily reported from Melbourne and Sydney.	A2/Hong Kong/68
	New Guinea	Sept 69	Sept-Oct 69	Papua Highlands. Severe complications frequent, particularly pneumonia. Over 2,000 deaths reported.	A2/Hong Kong/68
Europe and Northern Asia	Spain	Oct 69	Nov 69	Involved provinces of Madrid, Lugo, Navarra, Barcelona, and Valencia. Attack rates of 15-30%. All age groups affected.	A2/Hong Kong/68
	Portugal	Nov 69		Widespread throughout the country.	A2/Hong Kong/68
	Italy	Nov 69	Dec 69	Widespread activity. Attack rates estimated 30-40%.	A2/Hong Kong/68
	France	Nov 69	Dec 69	Widespread activity. All age groups affected.	A2/Hong Kong/68
	Yugoslavia	Sept 69	Dec 69	Primarily affecting Zagreb, Croatia, Slovenia, and Belgrade.	A2/Hong Kong/68
	Romania	Nov 69	Dec 69	Bucharest first-later other areas. B virus thought to be primarily responsible. A2/Hong Kong isolated in Jan 70.	B/Mass/66 A2/Hong Kong/68
	United Kingdom	Nov 69	Dec 69/Jan 70	Widespread throughout, particularly London and Southeast, Midlands, and Scotland. Marked increase in respiratory mortality.	A2/Hong Kong/68 B/Mass/66
	Austria	Dec 69	Dec 69	Widespread, particularly affecting Karnten, Vienna, Vorarlberg, Upper and Lower Austria, Burgenland, Styria.	A2/Hong Kong/68
	W. Germany	Dec 69	Dec 69	Widespread activity, mild or moderately severe with a number of deaths. 31% attack rate in Hanover based on seroconversion.	A2/Hong Kong/68
	Belgium	Dec 69	Dec 69	Brussels primarily affected, with a 15% attack rate affecting all age groups.	A2/Hong Kong/68
	Bulgaria	Oct 69	Dec 69	Sofia affected. All age groups involved. B virus primarily responsible, but later a few isolates of A2/Hong Kong.	B/Mass/66 A2/Hong Kong/68
	Greece	Dec 69	Dec 69	Clinically mild. 20% attack rate in Athens with all age groups affected.	A2/Hong Kong/68
	Denmark	Dec 69	Dec 69/Jan 70	Widespread activity. Clinically mild, but occasionally complicated by pneumonia. Excessive mortality among elderly persons.	A2/Hong Kong/68
	Finland	Dec 69	Dec 69/Jan 70	All areas affected.	A2/Hong Kong/68
	Norway				A2/Hong Kong/68
Sweden	Dec 69	Jan 70	Widespread activity. Clinically mild.	A2/Hong Kong/68	
Switzerland	Dec 69	Jan 70	Widespread activity.	A2/Hong Kong/68	
Netherlands		Jan 70	Widespread activity.	A2/Hong Kong/68	
USSR	Dec 69		Central, Northwest, and Eastern Regions involved. Primarily due to A2/Hong Kong with some B/Rome/66.	A2/Hong Kong/68 B/Rome/66	
Albania	Dec 69	Jan 70	Clinically mild. Adults affected primarily.	A2/Hong Kong/68	
Czechoslovakia	Dec 69	Jan 70	Widespread activity. Clinically mild but with some increased mortality. Overall attack rate approx. 4.7%. Primarily A2/Hong Kong.	A2/Hong Kong/68 Influenza B	
Hungary	Dec 69	Feb 70	Central, southern, and southwestern areas. Absenteeism in Budapest. Mild to moderate severity. Primarily A2/Hong Kong.	A2/Hong Kong/68 Influenza B	
Africa	Senegal	Apr 69	Aug/Sept 69	Clinically mild illness.	A2/Hong Kong/68
	Algeria	Jan 70			A2/Hong Kong/68
	Kenya	Jan 70		Nairobi primarily affected.	A2/Hong Kong/68
Middle East	Israel	Nov 69	Dec 69	Widespread activity. 20-40% school absentee rates. Early outbreak due to influenza B, but most due to A2/Hong Kong.	A2/Hong Kong/68 Influenza B
	Lebanon	Dec 69		Beirut only affected area.	A2/Hong Kong/68
Southern Asia and Pacific	Thailand	Sept 69			A2/Hong Kong/68
	Japan	Nov 69		Areas affected: Tokyo, Kanagawa, Yamanashi, Saitama, Chiba, and Tochigi.	A2/Hong Kong/68
	Philippines	Dec 69	Jan 70		A2/Hong Kong/68
	Fiji	Dec 69	Dec 69	Localized outbreak only.	A2/Hong Kong/68
	India	Jan 70		Regional outbreaks in several states. Clinically mild.	A2/Hong Kong/68
North America	Mexico	Jan 70		Primarily affected Mexico City with high attack rates.	A2/Hong Kong/68
	USA	Nov 69	Feb 70	45 of 50 states reported activity, but heaviest activity along East Coast, Southeast, and Pacific Northwest. Modest excess mortality.	A2/Hong Kong/68
	Canada	Jan 70		Localized outbreaks in New Brunswick, Newfoundland, Nova Scotia, Saskatchewan, Manitoba.	A2/Hong Kong/68

INFLUENZA - Guatemala 1969

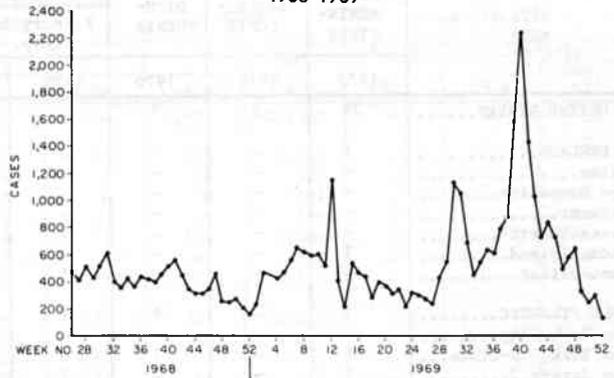
During the early weeks of 1969, there was an increase in the number of reported cases of influenza-like illness in Guatemala. Reports of cases reached a peak in the 12th week of the year (week ending March 22, 1969) and then declined (Figure 4). Because of the lack of laboratory facilities, the causative agent could not be identified, but the illnesses were felt to represent A2/Hong Kong/68 influenza virus infection, which was occurring epidemically in other countries at the time.

In late July, another rise in the number of reported cases of influenza was noted which, after a brief decrease, continued to increase until the 40th week (ending October 4), when 2,300 cases were reported. The number of reported cases decreased steadily after the 40th week and approached normal levels (400 to 500 cases) by the 48th week.

In October, serum specimens were sent for identification to the World Health Organization International Influenza Center for the Americas (NCDC, Atlanta). Of 19 paired sera, 11 showed diagnostic (fourfold) rises in antibody titer to A2/Hong Kong/68 influenza virus; in addition, several unpaired sera also were positive at high levels for antibodies to this virus.

*(Reported by Dr. Cesar A. Mendizabal Morris, Chief, Division of Epidemiology, Guatemala Directorate General of Public Health; and the WHO International Influenza Center for the Americas, NCDC, Atlanta.)*

Figure 4  
CASES OF INFLUENZA - REPUBLIC OF GUATEMALA  
1968-1969



Editorial Comment:

It is possible that some of the cases reported as influenza in late July-early August 1969 actually reflected human illness due to Venezuelan Equine Encephalomyelitis (VEE) virus, which was epidemic and epizootic at that time (MMWR, Vol. 18, No. 34). Much of the human illness confirmed serologically as due to VEE was clinically similar to influenza. The later peak of reported cases in October was almost certainly not due to VEE infection, since other evidence indicated that VEE activity had subsided by then.

QUARANTINE MEASURES

*Changes in the "Supplement - United States Designated Yellow Fever Vaccination Centers," MMWR, Vol. 18, No. 53*

The following changes should be made in the list of United States Designated Yellow Fever Vaccination Centers:

- NEW YORK**  
Albany  
State Dept of Health  
Change area code to 518
- TEXAS**  
Austin  
Austin-Travis County Health Dept.  
Change clinic hours to Wed., 3-4 p.m.
- LOUISIANA**  
New Orleans  
Ochsner Clinic  
1514 Jefferson Highway 70121  
504, 834-7070  
Clinic hours: Thurs., 8-10 a.m.  
Fee: Yes
- MASSACHUSETTS**  
Woburn  
Board of Health  
44 Winn St. 01801  
617, 933-0700

- Worcester**  
Immunization Clinic  
Dept. of Public Health  
Worcester City Hospital 01608  
617, 798-8151  
Clinic hours: Thurs., 12:30-2 p.m.  
Fee: No
- MISSOURI**  
Kirksville  
Kirksville Osteopathic Hospital  
800 West Jefferson St. 63501  
816, 665-4611  
Clinic hours: By appointment  
Fee: Yes
- TENNESSEE**  
Franklin  
Williamson County Dept. of Public Health  
Carters Creek Pike 37064  
615, 794-1542  
Clinic hours: Mon.-Fri., 8:30 a.m. -4 p.m.  
Fee: Yes

## Morbidity and Mortality Weekly Report

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED  
MARCH 14, 1970 AND MARCH 8, 1969 (10th WEEK)

AREA	ASEPTIC MENIN- GITIS	BRUCE- LOSIS	DIPH- THERIA	ENCEPHALITIS			HEPATITIS			MALARIA	
				Primary including unsp. cases		Post In- fectious	Serum	Infectious		1970	Cum. 1970
				1970	1969	1970		1970	1969		
UNITED STATES.....	28	2	5	11	23	5	133	1,046	993	58	661
NEW ENGLAND.....	1	-	-	2	4	-	5	88	66	1	26
Maine.....	-	-	-	-	-	-	-	8	6	-	-
New Hampshire.....	-	-	-	-	-	-	-	1	8	-	-
Vermont.....	-	-	-	-	-	-	-	6	-	-	1
Massachusetts.....	-	-	-	1	1	-	1	45	18	1	15
Rhode Island.....	1	-	-	-	3	-	-	18	19	-	4
Connecticut.....	-	-	-	1	-	-	4	10	15	-	6
MIDDLE ATLANTIC.....	3	-	1	1	2	2	40	197	161	3	83
New York City.....	-	-	-	-	-	-	22	61	53	1	16
New York, Up-State...	1	-	1	-	2	1	5	42	20	2	23
New Jersey.*.....	1	-	-	1	-	-	9	53	26	-	23
Pennsylvania.....	1	-	-	-	-	1	4	41	62	-	21
EAST NORTH CENTRAL.....	4	-	3	2	5	-	23	183	167	7	40
Ohio.*.....	2	-	-	1	3	-	4	47	65	2	10
Indiana.....	1	-	-	-	-	-	-	12	12	-	3
Illinois.....	-	-	3	1	-	-	5	33	26	1	5
Michigan.....	1	-	-	-	2	-	14	82	52	4	22
Wisconsin.....	-	-	-	-	-	-	-	9	12	-	-
WEST NORTH CENTRAL.....	3	-	-	-	1	-	1	70	41	13	51
Minnesota.....	2	-	-	-	-	-	-	11	12	-	-
Iowa.....	-	-	-	-	1	-	-	6	5	-	6
Missouri.....	-	-	-	-	-	-	1	28	7	2	5
North Dakota.....	1	-	-	-	-	-	-	2	1	-	1
South Dakota.....	-	-	-	-	-	-	-	1	1	-	1
Nebraska.....	-	-	-	-	-	-	-	5	1	1	1
Kansas.....	-	-	-	-	-	-	-	17	14	10	38
SOUTH ATLANTIC.....	4	1	-	4	2	-	9	104	107	16	137
Delaware.....	-	-	-	-	-	-	-	6	-	-	1
Maryland.....	1	-	-	-	1	-	1	14	22	2	15
Dist. of Columbia....	-	-	-	-	-	-	-	1	1	-	-
Virginia.....	-	1	-	2	-	-	1	16	3	3	12
West Virginia.....	-	-	-	-	-	-	-	9	4	1	1
North Carolina.....	1	-	-	-	1	-	4	31	11	10	69
South Carolina.....	-	-	-	1	-	-	-	7	11	-	12
Georgia.....	-	-	-	-	-	-	-	5	18	-	19
Florida.....	2	-	-	1	-	-	3	15	37	-	8
EAST SOUTH CENTRAL.....	-	-	-	-	-	-	1	50	73	2	41
Kentucky.....	-	-	-	-	-	-	-	25	39	1	35
Tennessee.....	-	-	-	-	-	-	-	15	20	-	-
Alabama.....	-	-	-	-	-	-	1	5	7	-	5
Mississippi.....	-	-	-	-	-	-	-	5	7	1	1
WEST SOUTH CENTRAL.....	1	-	-	-	1	3	5	77	71	2	122
Arkansas.....	-	-	-	-	-	-	-	1	4	1	1
Louisiana.....	-	-	-	-	1	2	1	8	11	1	6
Oklahoma.*.....	-	-	-	-	-	-	-	3	8	-	18
Texas.....	1	-	-	-	-	1	4	65	48	-	97
MOUNTAIN.....	1	1	-	-	2	-	3	53	57	1	39
Montana.....	-	-	-	-	-	-	-	2	5	1	1
Idaho.....	-	-	-	-	1	-	-	2	7	-	-
Wyoming.....	-	-	-	-	-	-	-	-	-	-	-
Colorado.....	-	-	-	-	-	-	1	16	19	-	34
New Mexico.....	1	1	-	-	-	-	1	8	7	-	1
Arizona.....	-	-	-	-	-	-	-	13	8	-	2
Utah.....	-	-	-	-	-	-	1	10	10	-	-
Nevada.....	-	-	-	-	1	-	-	2	1	-	-
PACIFIC.....	11	-	1	2	6	-	46	224	250	13	122
Washington.....	1	-	-	-	-	-	-	27	35	-	5
Oregon.....	-	-	-	-	1	-	9	14	26	1	8
California.....	10	-	1	2	5	-	34	181	189	12	92
Alaska.....	-	-	-	-	-	-	3	-	-	-	-
Hawaii.....	-	-	-	-	-	-	-	2	-	-	17
Puerto Rico.....	-	-	-	-	-	-	-	24	19	-	-
Virgin Islands.....	-	-	-	-	-	-	-	-	-	-	-

\* Delayed reports: Encephalitis, primary: Ohio delete 1  
Hepatitis, infectious: N.J. delete 1, Alaska 5, P.R. 25  
Malaria: Okla. 1 (1969)

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

MARCH 14, 1970 AND MARCH 8, 1969 (10th WEEK) - CONTINUED

AREA	MEASLES (Rubeola)			MENINGOCOCCAL INFECTIONS, TOTAL			MUMPS		POLIOMYELITIS		
	1970	Cumulative		1970	Cumulative		1970	Cum. 1970	Total	Paralytic	
		1970	1969		1970	1969				1970	1970
UNITED STATES.....	1,377	10,362	4,297	59	664	800	2,889	25,502	-	-	1
NEW ENGLAND.....	36	205	208	1	30	24	395	3,439	-	-	-
Maine.....	1	1	2	-	-	1	74	507	-	-	-
New Hampshire.....	4	13	58	-	3	-	10	187	-	-	-
Vermont.....	-	1	-	-	3	-	29	178	-	-	-
Massachusetts.....	28	149	28	1	11	11	139	1,043	-	-	-
Rhode Island.*.....	2	14	7	-	3	3	41	351	-	-	-
Connecticut.....	1	27	113	-	10	9	102	1,173	-	-	-
MIDDLE ATLANTIC.....	299	1,702	1,334	5	104	121	335	2,628	-	-	-
New York City.....	45	243	813	-	26	19	126	793	-	-	-
New York, Up-State...	9	60	116	2	22	17	-	4	-	-	-
New Jersey.....	84	731	258	2	30	52	77	759	-	-	-
Pennsylvania.....	161	668	147	1	26	33	132	1,072	-	-	-
EAST NORTH CENTRAL.....	262	2,429	440	6	89	90	764	6,403	-	-	-
Ohio.....	49	725	45	1	43	28	118	870	-	-	-
Indiana.....	12	107	104	2	10	14	50	565	-	-	-
Illinois.....	137	1,212	81	-	16	12	56	595	-	-	-
Michigan.*.....	42	211	56	2	17	30	212	1,532	-	-	-
Wisconsin.....	22	174	154	1	3	6	328	2,841	-	-	-
WEST NORTH CENTRAL.....	30	1,103	135	2	14	41	175	1,688	-	-	-
Minnesota.....	-	4	1	-	4	7	1	173	-	-	-
Iowa.....	6	30	68	-	3	5	136	1,076	-	-	-
Missouri.....	6	125	11	1	6	17	3	36	-	-	-
North Dakota.....	2	47	2	-	-	-	5	151	-	-	-
South Dakota.....	5	41	-	-	-	-	1	2	-	-	-
Nebraska.....	11	812	53	1	1	2	16	221	-	-	-
Kansas.....	-	44	-	-	-	10	13	29	-	-	-
SOUTH ATLANTIC.....	310	1,440	791	22	161	150	267	2,459	-	-	-
Delaware.....	16	112	8	-	2	3	5	54	-	-	-
Maryland.....	22	220	8	1	12	16	21	178	-	-	-
Dist. of Columbia...	15	253	-	-	1	2	9	68	-	-	-
Virginia.....	34	266	279	5	13	22	41	474	-	-	-
West Virginia.....	12	68	72	1	2	6	70	816	-	-	-
North Carolina.....	16	167	47	2	32	19	NN	NN	-	-	-
South Carolina.....	24	83	46	1	7	21	19	209	-	-	-
Georgia.....	-	2	1	-	24	26	-	-	-	-	-
Florida.....	71	269	330	12	68	35	102	660	-	-	-
EAST SOUTH CENTRAL.....	17	135	36	1	39	36	142	1,723	-	-	-
Kentucky.....	17	85	13	-	12	8	47	680	-	-	-
Tennessee.....	-	25	8	1	19	19	90	948	-	-	-
Alabama.....	-	12	-	-	5	7	5	86	-	-	-
Mississippi.....	-	13	15	-	3	2	-	9	-	-	-
WEST SOUTH CENTRAL.....	385	2,376	1,053	15	117	110	218	2,376	-	-	1
Arkansas.....	5	16	2	3	12	11	2	29	-	-	-
Louisiana.....	7	15	8	3	27	31	-	3	-	-	-
Oklahoma.....	7	68	102	-	8	14	77	781	-	-	-
Texas.....	366	2,277	941	9	70	54	139	1,563	-	-	1
MOUNTAIN.....	72	439	78	1	7	25	134	1,129	-	-	-
Montana.....	1	10	3	-	-	2	25	175	-	-	-
Idaho.....	-	5	-	-	-	3	2	49	-	-	-
Wyoming.....	-	-	-	1	1	-	-	10	-	-	-
Colorado.....	-	9	7	-	3	6	41	406	-	-	-
New Mexico.....	2	64	34	-	-	5	45	245	-	-	-
Arizona*.....	69	343	32	-	1	6	20	184	-	-	-
Utah.....	-	4	1	-	2	1	1	60	-	-	-
Nevada.....	-	4	1	-	-	2	-	-	-	-	-
PACIFIC.....	66	533	222	6	103	203	459	3,657	-	-	-
Washington.....	-	35	20	1	15	12	180	1,490	-	-	-
Oregon.....	13	83	34	-	8	6	26	287	-	-	-
California.....	49	389	163	5	79	179	186	1,458	-	-	-
Alaska.*.....	-	1	4	-	-	-	31	177	-	-	-
Hawaii.....	4	25	1	-	1	6	36	245	-	-	-
Puerto Rico.....	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands.....	17	487	116	-	2	3	12	243	-	-	-
Unplaced reports:	-	3	-	1	1	-	-	-	-	-	-

Mumps: Alaska 34, P.R. 15

## Morbidity and Mortality Weekly Report

TABLE III. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES

FOR WEEKS ENDED

MARCH 14, 1970 AND MARCH 8, 1969 (10th WEEK) — CONTINUED

AREA	RUBELLA		TETANUS		TULAREMIA		TYPHOID FEVER		TYPHUS FEVER TICK-BORNE (Rky. Mt. Spotted)		RABIES IN ANIMALS	
	1970	Cum. 1970	1970	Cum. 1970	1970	Cum. 1970	1970	Cum. 1970	1970	Cum. 1970	1970	Cum. 1970
UNITED STATES.....	1,902	13,047	3	15	—	12	2	44	—	—	56	583
NEW ENGLAND.....	126	571	—	1	—	—	—	2	—	—	1	28
Maine.....	8	53	—	—	—	—	—	—	—	—	1	1
New Hampshire.....	11	60	—	—	—	—	—	—	—	—	—	—
Vermont.....	1	24	—	—	—	—	—	—	—	—	—	27
Massachusetts.....	80	239	—	1	—	—	—	1	—	—	—	—
Rhode Island.....	6	14	—	—	—	—	—	—	—	—	—	—
Connecticut.....	20	181	—	—	—	—	—	1	—	—	—	—
MIDDLE ATLANTIC.....	143	1,041	—	2	—	—	1	11	—	—	3	44
New York City.....	61	167	—	—	—	—	1	4	—	—	—	42
New York, Up-State..	16	102	—	—	—	—	—	4	—	—	3	—
New Jersey.....	29	365	—	1	—	—	—	1	—	—	—	2
Pennsylvania.....	37	407	—	1	—	—	—	2	—	—	—	—
EAST NORTH CENTRAL....	482	3,155	1	3	—	5	—	2	—	—	2	28
Ohio.....	133	455	—	—	—	2	—	1	—	—	1	8
Indiana.....	42	575	—	1	—	3	—	—	—	—	—	2
Illinois.....	37	340	1	1	—	—	—	—	—	—	1	7
Michigan.....*	179	904	—	1	—	—	—	1	—	—	—	1
Wisconsin.....	91	881	—	—	—	—	—	—	—	—	—	10
WEST NORTH CENTRAL....	114	1,218	—	—	—	2	—	—	—	—	6	75
Minnesota.....	5	57	—	—	—	—	—	—	—	—	1	16
Iowa.....	82	759	—	—	—	—	—	—	—	—	2	17
Missouri.....	11	95	—	—	—	2	—	—	—	—	1	17
North Dakota.....	2	64	—	—	—	—	—	—	—	—	—	8
South Dakota.....	—	1	—	—	—	—	—	—	—	—	—	2
Nebraska.....	11	227	—	—	—	—	—	—	—	—	—	15
Kansas.....	3	15	—	—	—	—	—	—	—	—	2	—
SOUTH ATLANTIC.....	142	1,448	—	5	—	1	1	11	—	—	19	164
Delaware.....	1	12	—	—	—	—	—	—	—	—	—	1
Maryland.....	15	85	—	—	—	—	—	3	—	—	—	—
Dist. of Columbia...	2	7	—	1	—	—	—	—	—	—	—	85
Virginia.....	32	275	—	—	—	—	—	1	—	—	11	32
West Virginia.....	34	406	—	—	—	—	—	—	—	—	2	—
North Carolina.....	—	3	—	—	—	—	—	1	—	—	—	—
South Carolina.....	24	79	—	—	—	—	—	—	—	—	—	30
Georgia.....*	—	—	—	1	—	—	—	4	—	—	5	16
Florida.....	34	581	—	3	—	1	1	2	—	—	1	—
EAST SOUTH CENTRAL....	57	708	—	—	—	2	—	1	—	—	6	68
Kentucky.....	9	245	—	—	—	1	—	—	—	—	4	39
Tennessee.....	27	378	—	—	—	1	—	—	—	—	1	16
Alabama.....	20	69	—	—	—	—	—	1	—	—	1	13
Mississippi.....	1	16	—	—	—	—	—	—	—	—	—	—
WEST SOUTH CENTRAL....	324	1,947	1	2	—	2	—	1	—	—	9	103
Arkansas.....	4	4	1	1	—	1	—	1	—	—	1	15
Louisiana.....*	—	3	—	1	—	—	—	—	—	—	3	29
Oklahoma.....	23	459	—	—	—	1	—	—	—	—	2	10
Texas.....	297	1,481	—	—	—	—	—	—	—	—	3	49
MOUNTAIN.....	77	535	—	—	—	—	—	4	—	—	—	5
Montana.....	32	126	—	—	—	—	—	1	—	—	—	—
Idaho.....	5	18	—	—	—	—	—	—	—	—	—	—
Wyoming.....	2	32	—	—	—	—	—	—	—	—	—	—
Colorado.....	10	110	—	—	—	—	—	1	—	—	—	5
New Mexico.....	8	32	—	—	—	—	—	1	—	—	—	—
Arizona.....	20	147	—	—	—	—	—	1	—	—	—	—
Utah.....	—	70	—	—	—	—	—	—	—	—	—	—
Nevada.....	—	—	—	—	—	—	—	—	—	—	—	—
PACIFIC.....	437	2,424	1	2	—	—	—	12	—	—	10	68
Washington.....	254	1,122	—	—	—	—	—	1	—	—	—	—
Oregon.....	17	243	—	1	—	—	—	—	—	—	—	—
California.....	155	918	1	1	—	—	—	10	—	—	10	68
Alaska.....*	1	56	—	—	—	—	—	1	—	—	—	—
Hawaii.....	10	85	—	—	—	—	—	—	—	—	—	—
Puerto Rico.....*	—	9	1	3	—	—	—	1	—	—	—	9
Virgin Islands.....	—	—	—	—	—	—	—	—	—	—	—	—

\*Delayed reports: Rubella: Mich. 15, Alaska 9

Typhoid fever: Alaska 1

RMSF: La. 1 (1969)

Rabies in animals: P.R. 2

TABLE IV. DEATHS IN 122 UNITED STATES CITIES FOR WEEK ENDED MARCH 14, 1970

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes	Area	All Causes		Pneumonia and Influenza All Ages	Under 1 year All Causes
	All Ages	65 years and over				All Ages	65 years and over		
<b>NEW ENGLAND:</b>	720	457	48	36	<b>SOUTH ATLANTIC:</b>	1,312	676	70	52
Boston, Mass.-----	244	141	18	13	Atlanta, Ga.-----	163	76	16	10
Bridgeport, Conn.-----	47	34	6	2	Baltimore, Md.-----	227	111	7	10
Cambridge, Mass.-----	21	13	3	1	Charlotte, N. C.-----	77	34	2	8
Fall River, Mass.-----	25	18	1	—	Jacksonville, Fla.-----	101	48	3	4
Hartford, Conn.-----	43	26	—	5	Miami, Fla.-----	96	55	3	1
Lowell, Mass.-----	21	10	2	—	Norfolk, Va.-----	50	27	7	1
Lynn, Mass.-----	19	14	1	1	Richmond, Va.-----	86	39	2	1
New Bedford, Mass.-----	31	26	3	2	Savannah, Ga.-----	44	26	5	1
New Haven, Conn.-----	59	35	—	3	St. Petersburg, Fla.-----	115	85	4	2
Providence, R. I.-----	55	33	6	3	Tampa, Fla.-----	85	42	7	1
Somerville, Mass.-----	21	12	—	1	Washington, D. C.-----	197	96	9	9
Springfield, Mass.-----	47	36	5	2	Wilmington, Del.-----	71	37	5	4
Waterbury, Conn.-----	23	14	—	1	<b>EAST SOUTH CENTRAL:</b>	723	379	53	45
Worcester, Mass.-----	64	45	3	2	Birmingham, Ala.-----	114	61	4	5
<b>MIDDLE ATLANTIC:</b>	3,230	1,883	156	125	Chattanooga, Tenn.-----	63	40	9	2
Albany, N. Y.-----	46	27	5	2	Knoxville, Tenn.-----	58	30	2	3
Allentown, Pa.-----	37	27	5	1	Louisville, Ky.-----	125	73	12	5
Buffalo, N. Y.-----	135	76	3	4	Memphis, Tenn.-----	160	78	15	8
Camden, N. J.-----	40	25	1	2	Mobile, Ala.-----	59	27	2	7
Elizabeth, N. J.-----	35	20	2	—	Montgomery, Ala.-----	23	11	3	3
Eric, Pa.-----	40	26	3	2	Nashville, Tenn.-----	121	59	6	12
Jersey City, N. J.-----	57	31	5	4	<b>WEST SOUTH CENTRAL:</b>	1,252	665	54	60
Newark, N. J.-----	88	39	4	8	Austin, Tex.-----	43	20	8	3
New York City, N. Y.-----	1,609	950	68	63	Baton Rouge, La.-----	54	33	6	3
Paterson, N. J.-----	27	17	1	2	Corpus Christi, Tex.-----	27	13	2	—
Philadelphia, Pa.-----	416	223	10	13	Dallas, Tex.-----	217	113	10	9
Pittsburgh, Pa.-----	218	118	21	10	El Paso, Tex.-----	60	33	5	6
Reading, Pa.-----	50	29	3	—	Fort Worth, Tex.-----	74	34	3	3
Rochester, N. Y.-----	111	74	7	4	Houston, Tex.-----	201	100	6	11
Schenectady, N. Y.-----	35	20	2	2	Little Rock, Ark.-----	60	30	2	4
Scranton, Pa.-----	45	29	6	1	New Orleans, La.-----	145	66	2	4
Syracuse, N. Y.-----	107	69	3	4	Oklahoma City, Okla.-----	86	48	1	5
Trenton, N. J.-----	62	35	3	1	San Antonio, Tex.-----	140	78	2	5
Utica, N. Y.-----	26	20	2	1	Shreveport, La.-----	46	29	1	2
Yonkers, N. Y.-----	46	28	2	1	Tulsa, Okla.-----	99	68	6	5
<b>EAST NORTH CENTRAL:</b>	2,746	1,548	97	122	<b>MOUNTAIN:</b>	518	315	22	27
Akron, Ohio-----	56	38	1	2	Albuquerque, N. Mex.-----	39	22	3	3
Canton, Ohio-----	43	29	6	1	Colorado Springs, Colo.-----	30	16	3	3
Chicago, Ill.-----	778	408	23	41	Denver, Colo.-----	140	88	9	10
Cincinnati, Ohio-----	202	111	10	5	Ogden, Utah-----	19	12	—	2
Cleveland, Ohio-----	221	115	7	6	Phoenix, Ariz.-----	122	72	—	6
Columbus, Ohio-----	125	70	—	7	Pueblo, Colo.-----	19	10	—	1
Dayton, Ohio-----	82	44	3	3	Salt Lake City, Utah-----	71	45	2	—
Detroit, Mich.-----	348	191	10	16	Tucson, Ariz.-----	78	50	5	2
Evansville, Ind.-----	66	49	6	—	<b>PACIFIC:</b>	1,698	1,018	43	62
Flint, Mich.-----	58	29	3	4	Berkeley, Calif.-----	31	20	—	—
Fort Wayne, Ind.-----	51	24	2	3	Fresno, Calif.-----	56	24	2	7
Gary, Ind.-----	57	30	1	2	Glendale, Calif.-----	23	20	1	—
Grand Rapids, Mich.-----	51	36	3	2	Honolulu, Hawaii-----	53	30	2	5
Indianapolis, Ind.-----	157	85	3	14	Long Beach, Calif.-----	97	56	6	3
Madison, Wis.-----	41	22	6	5	Los Angeles, Calif.-----	546	336	10	15
Milwaukee, Wis.-----	137	93	2	5	Oakland, Calif.-----	78	50	2	2
Peoria, Ill.-----	41	28	1	2	Pasadena, Calif.-----	55	42	1	—
Rockford, Ill.-----	35	21	4	1	Portland, Oreg.-----	142	80	4	1
South Bend, Ind.-----	37	20	2	2	Sacramento, Calif.-----	59	37	—	1
Toledo, Ohio-----	105	65	3	—	San Diego, Calif.-----	109	57	3	11
Youngstown, Ohio-----	55	40	1	1	San Francisco, Calif.-----	155	86	4	3
<b>WEST NORTH CENTRAL:</b>	867	535	38	34	San Jose, Calif.-----	40	21	3	—
Des Moines, Iowa-----	72	48	2	3	Seattle, Wash.-----	155	93	4	10
Duluth, Minn.-----	25	22	5	—	Spokane, Wash.-----	56	38	—	4
Kansas City, Kans.-----	37	16	1	1	Tacoma, Wash.-----	38	28	1	—
Kansas City, Mo.-----	143	94	1	4	<b>Total</b>	<b>13,066</b>	<b>7,476</b>	<b>581</b>	<b>563</b>
Lincoln, Neb.-----	19	13	2	—	<b>Expected Number</b>	<b>13,178</b>	<b>7,758</b>	<b>510</b>	<b>506</b>
Minneapolis, Minn.-----	112	77	4	7	<b>Cumulative Total</b>	<b>144,062</b>	<b>83,614</b>	<b>7,287</b>	<b>6,237</b>
Omaha, Neb.-----	80	47	3	4	(includes reported corrections for previous weeks)				
St. Louis, Mo.-----	246	138	6	10					
St. Paul, Minn.-----	77	46	6	3					
Wichita, Kans.-----	56	34	8	2					
Las Vegas, Nev.*	25	15	1	2					

\*Mortality data are being collected from Las Vegas, Nev., for possible inclusion in this table, however, for statistical reasons, these data will be listed only and not included in the total, expected number, or cumulative total, until 5 years of data are collected.

\*Estimate - based on average percent of divisional total

ERRATA:

Vol. 19, No. 6, p. 62

In the article "Measles—United States, Epidemiologic Year 1969-70," Houston, Texas, was erroneously included as having a major outbreak of measles. It should be deleted. In addition, the outbreak in New Jersey occurred in Burlington County, not Bergen County as stated.

Vol. 19, No. 9, p. 92

In the article "Salmonellosis—Los Angeles, California," the outbreak occurred on Dec. 13-14, 1969, not 1970 as stated.

Vol. 19, No. 9, p. 95

In the article "Tularemia—United States 1960-1968," part of the fourth sentence in the fourth paragraph was omitted. The correct sentence is as follows: "The majority of states east of the Mississippi River, excluding New England and the Middle Atlantic states, showed a marked predominance of tularemia in the winter months, particularly in December."

THE MORBIDITY AND MORTALITY WEEKLY REPORT, WITH A CIRCULATION OF 21,000 IS PUBLISHED AT THE NATIONAL COMMUNICABLE DISEASE CENTER, ATLANTA, GEORGIA.

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ATTN: THE EDITOR  
MORBIDITY AND MORTALITY WEEKLY REPORT  
ATLANTA, GEORGIA 30333

NOTE: THE DATA IN THIS REPORT ARE PROVISIONAL AND ARE BASED ON WEEKLY TELEGRAMS TO THE NCDC BY THE INDIVIDUAL STATE HEALTH DEPARTMENTS. THE REPORTING WEEK CONCLUDES AT CLOSE OF BUSINESS ON FRIDAY; COMPILED DATA ON A NATIONAL BASIS ARE OFFICIALLY RELEASED TO THE PUBLIC ON THE SUCCEEDING FRIDAY.

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